



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CP/1711  
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Patent  
Case No.: 57275US001  
JUN 28 2002  
TC 1700  
#4

First Named Inventor: DEDE, KARSTEN  
Application No.: 10/050218 Group Art Unit: 1711  
Filed: January 15, 2002 Examiner: Unknown  
Title: TERNARY PHOTOINITIATOR SYSTEM FOR CATIONICALLY  
POLYMERIZABLE RESINS

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, DC 20231

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on:

June 19, 2002  
Date

Michelle L. Murphy  
Signed by: Michelle L. Murphy

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. A copy of each cited reference is also enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

In satisfaction of Applicants' obligation to discuss the relevance of foreign language documents, Applicants provide the following information:

WO 98/22521 – Disclosed are polymerizable substances containing a) 3 to 80 wt.% of an epoxide or a mixture of epoxides corresponding to general formula given for types A and B; b) 0 to 80 wt.% of an epoxide or a mixture of epoxides which are different from a); c) 3 to 85 wt.% of a filler material; d) 0.01 to 25 wt.% of initiators, inhibitors and/or accelerators; e) 0 to 25 wt.% of auxiliary agents, the individual percentages of which are in relation to the total weight. The new polymerizable agents are particularly suited as dental material.

WO 99/27892 – The invention relates to preparations with improved hardening characteristics, characterised in that they contain from 0.0005 to 50 % wt of soluble and/or finely divided, organic and/or inorganic, alkaline earth and/or alkali metals. These preparations can be used for gluing, sealing, casting and coating of substrates, as well as in preparations for dental surgeons and dental technicians, and for moulding objects, especially dental objects.

WO 00/19966 – The invention concerns dental compositions. Said dental composition comprises (1) a silicone crosslinkable and/or polymerisable by cationic process; (2) an efficient amount of at least an initiator such as an organometallic complex borate; and (3) a dental filler present in the composition in a proportion of at least 10 wt. % relative to the composition total weight. Said dental compositions are useful for making dental prostheses or for dental restoration.

WO 00/19967 – The invention concerns dental compositions. Said composition comprises (1) a silicone crosslinkable and/or polymerisable by cation process; (2) an efficient amount of at least an initiator such as onium borate; (3) at least a photosensitizer; and (4) a dental filler present in the composition in a proportion of at least 10 wt. % relative to the composition total weight. Said dental compositions are useful for making dental prostheses or for dental restoration.

If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p) to Deposit Account No. 13-3723. If necessary, please charge any additional fees, or credit any overpayment, to Deposit Account No. 13-3723. One copy of this sheet marked duplicate is also enclosed.

Respectfully submitted,

JUNE 17, 2002  
Date

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Substitute for form 1449A/PTO (Modified)		Application Number	10/050218
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 1 of 2		Filing Date	January 15, 2002
		First Named Inventor	Dede, Karsten
		Art Unit	1711
		Examiner Name	Unknown
		Attorney Case Number	57275US002



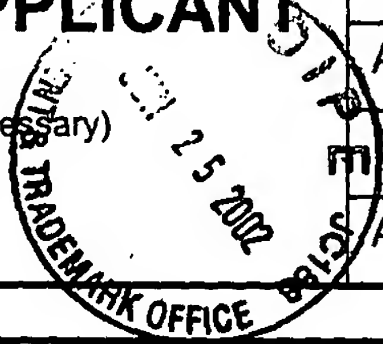
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U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 3,729,313	04/24/1973	Smith	
	A2	US- 3,741,769	06/26/1973	Smith	
	A3	US- 3,808,006	04/30/1974	Smith	
	A4	US- 4,250,053	02/10/1981	Smith	
	A5	US- 4,256,828	03/17/1981	Smith	
	A6	US- 4,394,403	07/19/1983	Smith	
	A7	US- 4,503,169	03/05/1985	Randklev	
	A8	US- 4,629,746	12/16/1986	Michl et al.	
	A9	US- 4,642,126	02/10/1987	Zador et al.	
	A10	US- 4,652,274	03/24/1987	Boettcher et al.	
	A11	US- 4,695,251	09/22/1987	Randklev	
	A12	US- 4,767,798	08/30/1988	Gasser et al.	
	A13	US- 4,835,193	05/30/1989	Hayase et al.	
	A14	US- 4,882,365	11/21/1989	Gasser et al.	
	A15	US- 5,545,676	08/13/1996	Palazotto et al.	
	A16	US- 5,856,373	01/05/1999	Kaisaki et al.	
	A17	US- 5,998,495	12/07/1999	Oxman et al.	
	A18	US- 6,025,406	02/15/2000	Oxman et al.	
	A19	US- 6,043,295	03/28/2000	Oxman et al.	
	A20	US- 6,084,004	07/04/2000	Weinmann et al.	
	A21	US- 6,187,833	02/13/2001	Oxman et al.	
	A22	US- 6,306,926 B1	10/23/2001	Bretscher et al.	

Foreign Patent Documents						
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Ctry. Code	Number-KindCode (If known)			
	B1	EP	0 728 970 A2	08/28/1996		
	B2	WO	95/14716 A1	06/01/1995		
	B3	WO	98/22521 A1	05/28/1998		

*Examiner:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute for form 1449A/PTO (Modified)		Applicant Number	10/050218
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 2 of 2		Filing Date	January 15, 2002
		First Named Inventor	Dede, Karsten
		Art Unit	1711
		Examiner Name	Unknown
		Attorney Case Number	57275US002



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Foreign Patent Documents						
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Ctry. Code	Number-KindCode (If known)			
	B4	WO	98/47046 A1	10/22/1998		
	B5	WO	98/47047 A1	10/22/1998		
	B6	WO	99/27892 A2	06/10/1999		
	B7	WO	00/19966 A1	04/13/2000		
	B8	WO	00/19967 A1	04/13/2000		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	Beringer et al., "Diaryliodonium Salts. IX. The Synthesis of Substituted Diphenyliodonium Salts," <i>J. Am. Chem. Soc.</i> Vol. 81, pp. 342-351 (1959)
	C2	N.L. Weinburg, Ed., "Technique of Electroorganic Synthesis," <i>Techniques of Chemistry</i> , Vol. V, Part II (1975)
	C3	C.K. Mann and K.K. Barnes, <i>Electrochemical Reactions in Nonaqueous Systems</i> (1970)
	C4	

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